BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

BYATARAYANAPURA DIVISION

BYATARAYANAPURA SUB DIVISOIN

Name of the Work : **Improvements to Drains and Asphalting to Roads in Kogilu Sarrounding Area in Ward No. 05 Byatarayanapura Sub Division.**

Pre Measurements

Job Code: 005-20-000102

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BRUHATH BANGALORE MAHANAGARAPALIKE
YELAHANKA ZONE
Pre Measurements

Name of work: Improvements to Drains and Asphalting to Roads in Kogilu Sarrounding Area in Ward No. 05 Byatarayanapura Sub Division.

Work Order No: BBMP/EE/BTP/WO/122/2020-21 dt: 30.09.2020

JOB NUMBER: 005-20-000102

Estimate Cost: 55.00 lakhs.

Name of Contractor : M/s Shree Charan Construction (T.S Kothandaraju)

Sl No	Description of item	Unit	No	L	B	D	Qty
1	KSRRB 300-1. Earth work excavation by manual means in Ordinary Soil soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications.MORTH chapter 3. No. 143/ Item No. 19.1/ PWD SR 2018-19						
	Mejor Sandeep Unni krishan Road	Cum	1	30.00	7.10+7.00	0.20	**42.30**
					2		
			1	30.00	7.00+6.80	0.20	**41.40**
					2		
			1	30.00	6.80+7.00	0.20	**41.40**
					2		
			1	30.00	7.00+6.95	0.20	**41.85**
					2		
			1	30.00	6.95+7.05	0.20	**42.00**
			1	30.00	7.05+7.10	0.20	**42.45**
					2		
			1	27.00	7.10+7.00	0.20	**38.07**
					2		
			1	7.00	7.50+6.30	0.20	**9.66**
					2		
	Krishna devaraiah Road		1	30.00	6.30+6.85	0.20	**39.45**
					2		
			1	30.00	6.85+6.80	0.20	**40.95**
			1	30.00	6.80+6.90	0.20	**41.10**
					2		
			1	30.00	6.90+6.80	0.20	**41.10**
					2		
			1	30.00	6.80+6.85	0.20	**40.95**
					2		
			1	30.00	6.85+6.80	0.20	**40.95**
					2		
			1	30.00	6.80+6.80	0.20	**40.80**
					2		
			1	1.00	6.80	0.20	**0.68**

26/11/20

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No	Description of item	Unit	No	L	B	D	Qty
	Cross Road						
			1	30.00	5.10+4.40	0.20	**28.50**
					2		
			1	30.00	4.40+4.20	0.20	**25.80**
					2		
			1	30.00	4.20+4.10	0.20	**24.90**
					2		
			1	30.00	4.10+4.20	0.20	**24.90**
					2		
			1	30.00	4.20+4.40	0.20	**25.80**
					2		
			1	30.00	4.40+4.50	0.20	**26.70**
					2		
			1	30.00	4.50+4.60	0.20	**27.30**
					2		
	Srinivaspura Axford School Road		1	30.00	6.00+5.80	0.20	**35.40**
					2		
			1	30.00	5.80+5.70	0.20	**34.50**
					2		
			1	30.00	5.70+5.40	0.20	**33.30**
					2		
			1	10.00	5.40+4.40	0.20	**9.80**
					2		
	For Desilting of Drains						
	Agrahra Layout 9th Cross		1	30.00	0.40	0.30	**3.60**
			1	30.00	0.40	0.30	**3.60**
			1	30.00	0.40	0.30	**3.60**
			1	30.00	0.40	0.30	**3.60**
			1	30.00	0.40	0.30	**3.60**
			1	16.00	0.40	0.30	**1.92**
	Agrahra Layout 8th Cross		2	30.00	0.40	0.30	**7.20**
			2	30.00	0.40	0.30	**7.20**
			2	30.00	0.40	0.30	**7.20**
			2	30.00	0.40	0.30	**7.20**
			2	30.00	0.40	0.30	**7.20**
			2	20.00	0.40	0.30	**4.80**
	Agrahra Layout 11th Cross		2	30.00	0.40	0.30	**7.20**
			2	30.00	0.40	0.30	**7.20**
			2	30.00	0.40	0.30	**7.20**
			2	30.00	0.40	0.30	**7.20**
			2	30.00	0.40	0.30	**7.20**
			2	10.00	0.40	0.30	**2.40**
	Agrahra Layout 12th Cross		2	30.00	0.40	0.30	**7.20**
			2	30.00	0.40	0.30	**7.20**
			2	30.00	0.40	0.30	**7.20**
			2	30.00	0.40	0.30	**7.20**
			2	30.00	0.40	0.30	**7.20**
			2	3.00	0.40	0.30	**0.72**

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No	Description of item	Unit	No	L	B	D	Qty
	Agrahra Layout 13th Cross		2	30.00	0.40	0.25	6.00
			2	30.00	0.40	0.25	6.00
			2	30.00	0.40	0.25	6.00
			2	30.00	0.40	0.25	6.00
			2	30.00	0.40	0.25	6.00
			2	2.00	0.40	0.25	0.40
	Culverts						
	Telecom layout 2nd Cross		1	8.50	2.10	1.20	21.42
	Telecom layout 6th Cross		1	8.00	2.10	1.20	20.16
	Koglilu		1	9.00	2.10	1.20	22.68
	Sandeep Unnikrishnan Layout		1	6.00	2.10	1.20	15.12
				Actiual Qty			1127.63
				Limited to			1125.32

Assistant Engineer
Ward No. 05

Assistant Executive Engineer
Byatarayanapura Sub Division

2 Removing B.S Slab of Drain and stacking Page No. 25/ Item No. 5.32/ BWSSB SR 2016-17

	Agrahra Layout 9th Cross	Sqm	1	30.00	1.65		49.50
			1	30.00	1.65		49.50
			1	30.00	1.65		49.50
			1	30.00	1.65		49.50
			1	30.00	1.65		49.50
			1	16.00	1.65		26.40
	Agrahra Layout 8th Cross		2	30.00	1.65		99.00
			2	30.00	1.65		99.00
			2	30.00	1.65		99.00
			2	30.00	1.65		99.00
			2	30.00	1.65		99.00
			2	20.00	1.65		66.00
	Agrahra Layout 11th Cross		2	30.00	1.65		99.00
			2	30.00	1.65		99.00
			2	30.00	1.65		99.00
			2	30.00	1.65		99.00
			2	30.00	1.65		99.00
			2	10.00	1.65		33.00
	Agrahra Layout 12th Cross		2	30.00	1.65		99.00
			2	30.00	1.65		99.00
			2	30.00	1.65		99.00
			2	30.00	1.65		99.00
			2	30.00	1.65		99.00
			2	3.00	1.65		9.90
	Agrahra Layout 13th Cross		2	30.00	1.65		99.00
			2	30.00	1.65		99.00
			2	30.00	1.65		99.00
			2	13.00	1.65		42.90
							2207.70

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No	Description of item	Unit	No	L	B	D	Qty
	Deduct 30% Missing Slabs						
	Agrahra Layout 9th Cross		1	20.00	1.65		33.00
			1	18.00	1.65		29.70
			1	12.00	1.65		19.80
			1	13.00	1.65		21.45
	Agrahra Layout 8th Cross		2	16.00	1.65		52.80
			2	14.00	1.65		46.20
			2	12.00	1.65		39.60
	Agrahra Layout 11th Cross		2	29.00	1.65		95.70
			2	9.00	1.65		29.70
			2	10.00	1.65		33.00
	Agrahra Layout 12th Cross		2	24.00	1.65		79.20
			2	19.00	1.65		62.70
			2	8.00	1.65		26.40
	Agrahra Layout 13th Cross		2	28.00	1.65		92.40
							661.65
							1546.05

Assistant Engineer
Ward No. 05

Assistant Executive Engineer
Byatarayanapura Sub Division

5	KSRB-4-1.3 : Providing and laying in position plain cement concrete of mix M 1:4:8 withOPC cement at 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1.4.2. No. 13/ Item No. 4.3/ PWD SR 2018-19						
	Telecom layout 2nd Cross	**Cum**	1	8.50	2.10	0.15	**2.68**
	Telecom layout 6th Cross		1	8.00	2.10	0.15	**2.52**
	Koglilu		1	9.00	2.10	0.15	**2.84**
	Sandeep Unnikrishnan Layout		1	6.00	2.10	0.15	**1.89**
							9.92

Assistant Engineer
Ward No. 05

Assistant Executive Engineer
Byatarayanapura Sub Division

6	KSRB 5.2.3 Providing and constructing granite / trap / basalt Size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 Page No. 25/ Item No. 5.6/ PWD SR 2018-19						
	Telecom layout 2nd Cross	cum	2	8.50	0.60	0.50	**5.10**
	Telecom layout 6th Cross		2	8.00	0.60	0.50	**4.80**
	Koglilu		2	9.00	0.60	0.50	**5.40**
	Sandeep Unnikrishnan Layout		2	6.00	0.60	0.50	**3.60**
				Actiual Qty			**18.90**
				Limited to			**18.60**

Assistant Engineer
Ward No. 05

Assistant Executive Engineer
Byatarayanapura Sub Division
B.B.M.P., Bengaluru-24

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	Description of item	Unit	No	L	B	D	Qty
	KSRB 5.3-3 Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5-1.13 Page No. 25/ Item No. 5.9/ PWD SR 2018-19						
	Telecom layout 2nd Cross	Sqm	2	8.50	0.50	0.45	3.83
	Telecom layout 6th Cross		2	8.00	0.50	0.45	3.60
	Koglilu		2	9.00	0.50	0.45	4.05
	Sandeep Unnikrishnan Layout		2	6.00	0.50	0.45	2.70
					Actiual Qty		14.18
					Limited to		13.95

Assistant Engineer
Ward No. 05

Assistant Executive Engineer
Byatarayanapura Sub Division

8	KSRB 4-6.7 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1 m in depth including cost of all materials, labour complete as per specifications. Specification						
	Telecom layout 2nd Cross	Sqm	1	8.50	0.60		5.10
	Telecom layout 6th Cross		1	8.00	0.60		4.80
	Koglilu		1	9.00	0.60		5.40
	Sandeep Unnikrishnan Layout		1	6.00	0.60		3.60
	Telecom layout 2nd Cross		2	8.50	0.23		3.91
	Telecom layout 6th Cross		2	8.00	0.23		3.68
	Koglilu		2	9.00	0.23		4.14
	Sandeep Unnikrishnan Layout		2	6.00	0.23		2.76
	Telecom layout 2nd Cross		2	1.65	0.23		0.76
	Telecom layout 6th Cross		2	1.65	0.23		0.76
	Koglilu		2	1.65	0.23		0.76
	Sandeep Unnikrishnan Layout		2	1.65	0.23		0.76
							36.43

Assistant Engineer
Ward No. 05

Assistant Executive Engineer
Byatarayanapura Sub Division

9	KSRB 4-1.7 : : Providing and laying in position plain cement concrete of mix 1:3:6 withOPC cement @ 220kgs, with 20mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregates @0.56cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2/P No. 13/ Item No. 4.7/ PWD SR 2018-19						
	Telecom layout 2nd Cross	cum	2	8.50	0.50	0.15	1.28
	Telecom layout 6th Cross		2	8.00	0.50	0.15	1.20
	Koglilu		2	9.00	0.50	0.15	1.35

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	Description of item	Unit	No	L	B	D	Qty
	Sandeep Unnikrishnan Layout		2	6.00	0.50	0.15	0.90
	Vent						
	Telecom layout 2nd Cross		1	8.50	0.60	0.20	1.02
	Telecom layout 6th Cross		1	8.00	0.60	0.20	0.96
	Koglilu		1	9.00	0.60	0.20	1.08
	Sandeep Unnikrishnan Layout		1	6.00	0.60	0.20	0.72
							8.51

Assistant Engineer
Ward No. 05

Assistant Executive Engineer
Byatarayanapura Sub Division

12	KSRB 4.9.2:providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3 Page No. 18/ Item No. 4.46.2/ PWD SR 2018-19						
	for culverts	Tonne					
	12 mm dia bars						
	katigenahalli Overhead Tank		85	2.50	1		212.50
			80	2.50	1		200.00
	Ayyappa Layout		90	2.50	1		225.00
	Ayyappa Layout 2nd Cross		60	2.50	1		150.00
				1.00			**787.50**
			A	**wt @ 0.89kg/mtr**			**700.875**
	10 mm dia bars						
	katigenahalli Overhead Tank		14	8.50			119.00
			14	8.00			112.00
	Ayyappa Layout		14	9.00			126.00
	Ayyappa Layout 2nd Cross		14	6.00			84.00
			14	**Total Length in Mtr**			**441.00**
			B	**wt @ 0.62kg/mtr**			**273.42**
			Total Wt in Kgs (A to D)				**974.30**
			Actiual Qty				**0.97**
			Limited to				**0.90**

Assistant Engineer
Ward No. 05

Assistant Executive Engineer
Byatarayanapura Sub Division

13	KSRRB M400-17: Providing, laying spreading and compacting graded stones aggregate to **wet mix macadam** specifications including premixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying, in uniform layers with paver in sub base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH specification NO. 406.P No. 155/ Item No. 20.18/ PWD SR 2018-19						
	For Road Cutting Portion	Cum					
	Mejor Sandeep Unni krishan Road		1	30.00	0.75	0.30	**6.75**

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No	Description of item	Unit	No	L	B	D	Qty
			1	30.00	0.75	0.30	6.75
			1	30.00	0.75	0.30	6.75
			1	30.00	0.75	0.30	6.75
			1	30.00	0.75	0.30	6.75
			1	30.00	0.75	0.30	6.75
			1	27.00	0.75	0.30	6.08
			1	7.00	0.75	0.30	1.58
	Krishna devaraiah Road		1	30.00	0.75	0.30	6.75
			1	30.00	0.75	0.30	6.75
			1	30.00	0.75	0.30	6.75
			1	30.00	0.75	0.30	6.75
			1	30.00	0.75	0.30	6.75
			1	30.00	0.75	0.30	6.75
			1	30.00	0.75	0.30	6.75
			1	1.00	0.75	0.30	0.23
	Cross Road		1	30.00	0.75	0.35	7.88
			1	30.00	0.75	0.35	7.88
			1	30.00	0.75	0.35	7.88
			1	30.00	0.75	0.35	7.88
			1	30.00	0.75	0.30	6.75
			1	30.00	0.75	0.30	6.75
			1	30.00	0.75	0.30	6.75
	Srinivaspura Axford School Road		1	30.00	0.75	0.30	6.75
			1	30.00	0.75	0.30	6.75
			1	30.00	0.75	0.30	6.75
			1	10.00	0.75	0.30	2.25
	For Road						
	Mejor Sandeep Unni krishan Road		1	30.00	6.80+7.00	0.20	42.30
					2		
			1	30.00	7.00+6.80	0.20	41.40
					2		
			1	30.00	6.80+7.00	0.20	41.40
					2		
			1	30.00	7.00+6.95	0.20	41.85
					2		
			1	30.00	6.95+7.05	0.20	42.00
			1	30.00	7.05+7.10	0.20	42.45
					2		
			1	27.00	7.10+7.00	0.20	38.07
					2		
			1	7.00	7.50+6.30	0.20	9.66
					2		
	Krishna devaraiah Road		1	30.00	6.30+6.85	0.25	49.31
					2		
			1	30.00	6.85+6.80	0.25	51.19
			1	30.00	6.80+6.90	0.25	51.38

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No	Description of item	Unit	No	L	B	D	Qty
					2		
			1	30.00	6.90+6.80	0.25	**51.38**
					2		
			1	30.00	6.80+6.85	0.25	**51.19**
					2		
			1	30.00	6.85+6.80	0.25	**51.19**
					2		
			1	30.00	6.80+6.80	0.25	**51.00**
					2		
			1	1.00	6.80	0.25	**0.85**
	Cross Road		1	30.00	5.10+4.40	0.25	**35.63**
					2		
			1	30.00	4.40+4.20	0.25	**32.25**
					2		
			1	30.00	4.20+4.10	0.25	**31.13**
					2		
			1	30.00	4.10+4.20	0.25	**31.13**
					2		
			1	30.00	4.20+4.40	0.25	**32.25**
					2		
			1	30.00	4.40+4.50	0.25	**33.38**
					2		
			1	30.00	4.50+4.60	0.25	**34.13**
					2		
	Srinivaspura Axford School Road		1	30.00	6.00+5.80	0.20	**35.40**
					2		
			1	30.00	5.80+5.70	0.20	**34.50**
					2		
			1	30.00	5.70+5.40	0.20	**33.30**
					2		
			1	10.00	5.40+4.40	0.20	**9.80**
					2		
							1169.36

Assistant Engineer
Ward No. 05

Assistant Executive Engineer
Byatarayanapura Sub Division

14	KSRRB 500-4: providing and applying **primer coat** from 7.5 to 9.8 kg and 9.8 to 12.2kg per 10 sqm for surfaces of low and medium porosity respectively over prepared surface of granular base with cut bank M.C-70 or any other bitumen mixed with diesel at 10 kg per 10 sqm heated in bitumen boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specificationsDo- Medium Porosity MORTH chapter 5, No. 158/ Item No. 21.6/ PWD SR 2018-19						
	For Road	Sqm					
	Mejor Sandeep Unni krishan Road		1	30.00	7.10+7.00		**211.50**
					2		

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No	Description of item	Unit	No	L	B	D	Qty
			1	30.00	7.00+6.80		207.00
					2		
			1	30.00	6.80+7.00		207.00
					2		
			1	30.00	7.00+6.95		209.25
					2		
			1	30.00	6.95+7.05		210.00
			1	30.00	7.05+7.10		212.25
					2		
			1	27.00	7.10+7.00		190.35
					2		
			1	7.00	7.50+6.30		48.30
					2		
	Krishna devaraiah Road		1	30.00	6.30+6.85		197.25
					2		
			1	30.00	6.85+6.80		204.75
			1	30.00	6.80+6.90		205.50
					2		
			1	30.00	6.90+6.80		205.50
					2		
			1	30.00	6.80+6.85		204.75
					2		
			1	30.00	6.85+6.80		204.75
					2		
			1	30.00	6.80+6.80		204.00
					2		
			1	1.00	6.80		6.80
	Cross Road		1	30.00	5.10+4.40		142.50
					2		
			1	30.00	4.40+4.20		129.00
					2		
			1	30.00	4.20+4.10		124.50
					2		
			1	30.00	4.10+4.20		124.50
					2		
			1	30.00	4.20+4.40		129.00
					2		
			1	30.00	4.40+4.50		133.50
					2		
			1	30.00	4.50+4.60		136.50
					2		
	Srinivaspura Axford School Road		1	30.00	6.00+5.80		177.00
					2		
			1	30.00	5.80+5.70		172.50
					2		

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No	Description of item	Unit	No	L	B	D	Qty
			1	30.00	5.70+5.40		166.50
					2		
			1	10.00	5.40+4.40		49.00
					2		
							4413.45

Assistant Engineer
Ward No. 05

Assistant Executive Engineer
Byatarayanapura Sub Division

16	KSRRB M100-2. Loading and Unloading of stone boulders by manual means complete as per specification MORTH-100/chapter-1 Page No. 136/ Item No. 17.1/ PWD SR 2018-19						
		Cum	Qty. Vide Item No. 1+2				1125.32
							1125.32

Assistant Engineer
Ward No. 05

Assistant Executive Engineer
Byatarayanapura Sub Division

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